

What is claimed is:

1. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a first waveform display function of superimposing and displaying an analog waveform based on prescribed data and binary waveforms based on the prescribed data.

2. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a coordinate data and waveform display function of displaying a coordinate data view area for showing coordinate data of points constituting the waveform and a waveform view area for showing a waveform generated based on the coordinate data or a waveform generated based on a point input operation on the same screen; and

a coordinate data modification display function of modifying and displaying the coordinate data shown in the coordinate data view area when the waveform shown in the waveform view area is edited.

3. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a

display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a coordinate data and waveform display function of displaying a coordinate data view area for inputting and showing coordinate data of points constituting the waveform and a waveform view area for showing a waveform generated based on the coordinate data or a waveform generated based on a point input operation on the same screen; and

a waveform modification display function of modifying and displaying the waveform shown in the waveform view area when the coordinate data shown in the coordinate data view area is edited.

4. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a coordinate data and waveform display function of displaying a coordinate data view area for showing coordinate data of points constituting the waveform and a waveform view area for showing a waveform generated based on the coordinate data or a waveform generated based on a point input operation on the same screen;

a coordinate data maintaining function of grouping and maintaining coordinate data of multiple waveforms;

a second waveform display function of superimposing the multiple waveforms maintained by the coordinate data maintaining function for display in the waveform

view area;

a waveform selection function which enables a selection of a prescribed waveform from among the multiple waveforms displayed by the second waveform display function; and

a waveform information display function of displaying coordinate data of a selected waveform in the coordinate data view area when the waveform is selected by the waveform selection function.

5. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a binary waveform generation function of generating a binary waveform based on prescribed data and/or a prescribed input operation through the input device;

a binary signal determination function of determining a binary signal indicated by the position of a cursor displayed on the screen when a binary waveform is generated by the binary waveform generation function; and

a binary signal display function of displaying the binary signal determined by the binary signal determination function in proximity to the cursor.

6. A computer-readable recording medium with a waveform editing program stored according to Claim 5, wherein:

when a prescribed input operation is detected with a binary signal indicated by the position of the cursor displayed by the binary signal display function, the binary waveform generation function is to transform a binary waveform in a section where the cursor is located to a waveform expressing the binary signal.

7. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a binary waveform generation function of generating a binary waveform based on prescribed data and/or a prescribed input operation through the input device; and

a first binary waveform reverse function of reversing the whole binary waveform after or before a section of an arbitrary point in the binary waveform when the point is designated with the binary waveform displayed on the screen.

8. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a binary waveform generation function of generating a binary waveform based on prescribed data and/or a prescribed input operation through the input device; and

a second binary waveform reverse function of reversing the binary waveform within a section of an arbitrary point in the binary waveform when the point is designated with the binary waveform displayed on the screen.

9. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a

display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a first frame definition function of defining an editing area frame for editing the waveform;

an in-frame point movement function of moving the in-frame point according to the amount of scaling or transformation of the frame with the positional relation between the frame and the in-frame point held when a scaling or transformation operation of the frame defined by the first frame definition function is detected; and

a first time-series waveform generation function of generating a time-series waveform from the in-frame point moved by the in-frame point movement function and other points of the waveform.

10. A computer-readable recording medium with a waveform editing program stored according to Claim 9, wherein:

the in-frame point movement function is to add and move points of intersection of the frame defined by the first frame definition function and the waveform as new in-frame points.

11. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a second frame definition function of defining a copy area frame for copying the waveform;

an in-frame waveform copy function of copying a waveform in the frame defined by the second frame definition function; and

a second time-series waveform generation function of generating a time-series waveform from the in-frame point and other points of the waveform when a location definition operation of the in-frame waveform copied by the in-frame waveform copy function is detected.

12. A computer-readable recording medium with a waveform editing program stored according to Claim 11, wherein:

the second time-series waveform generation function is to generate a time-series waveform with an existing point discarded when the existing point is in the frame after the location definition operation is performed.

13. A computer-readable recording medium with a waveform editing program stored according to Claim 11, wherein:

the in-frame waveform copy function is to add and copy points of intersection of the frame defined by the second frame definition function and the waveform as new in-frame points.

14. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a binary waveform generation function of generating a binary waveform based on prescribed data and/or a prescribed input operation through the input device;

a third frame definition function of defining an editing area frame for editing the binary waveform generated by the binary waveform generation function; and

an in-frame cycle modification function of modifying a binary waveform cycle in the frame according to the amount of scaling of the frame when a scaling operation of the frame defined by the third frame definition function is detected.

15. A computer-readable recording medium with a waveform editing program stored;

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a third time-series waveform generation function of regenerating a time-series waveform from a moved point constituting the waveform and other points when a movement operation of the point is detected.

16. A computer-readable recording medium with a waveform editing program stored according to Claim 15, wherein:

the third time-series waveform generation function is to regenerate a waveform in chronological order when the time sequence of a moved point and any of other points is reversed.

17. A computer-readable recording medium with a waveform editing program stored:

the program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input operations;

which can display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to implement;

a coordinate axis resolution unit selection function which enables selections of coordinate axis resolution units; and

a coordinate data acquisition function of acquiring values of coordinate data of the waveform displayed on the screen in the coordinate axis resolution units selected by the coordinate axis resolution unit selection function.

18. A waveform editing system, comprising a storage device wherein a computer-readable recording medium with a waveform editing program stored according to any of Claims 1-17 is stored, and a waveform edit processing device to read the waveform editing program from the storage device to perform the waveform edit processing.